

CLAIMS

1. A measuring device for gearing and diameters of rotationally symmetrical components (2) with a fixed feeler pin (9) and a movable feeler pin (10), therein characterized, in that the component (2), with the aid of a spring actuated mechanism (14) is automatically impelled against the fixed feeler pin (9) by means of the movable feeler pin (10), and thus the said component (2) is brought into a defined measurement position.

2. A measuring device in accord with claim 1, therein characterized, in that the spring activated mechanism (14) is activated by an auxiliary mechanism.

3. A measuring device in accord with claim 2, therein characterized, in that the said auxiliary mechanism possesses a displaceable lever (12), which, by means of a eccentric disk (13) positions the movable feeler pin (10) into its measurement position.

4. A measuring device in accord with claim 1, therein characterized, in that a contour can be followed by the movable feeler pin (10).

5. A measuring device in accord with claim 1, therein characterized, in that the movable feeler pin (10) has an active measuring path and thereby can also take the measurements of conical components (2).

6. A measuring device in accord with claim 1, therein characterized, in that the movable feeler pin (10) possesses a large lifting movement, which enables an easy removal of the measured component after the measurement.

7. A measuring device in accord with claim 1, therein characterized, in that the component is guided to the feeler pins (9, 10) by means of a lifting device (4), which said device is bound to the measuring table (1).

8. A measuring device in accord with claim 1, therein characterized, in that the measuring table (1) possesses on its upper surface a friction reducing auxiliary means (11), whereby the component (2) can be easily positioned.

9. A measuring device in accord with claim 7, therein characterized, in that the lifting apparatus (4) possesses at least one end detent, with which a definite stroke can be adjusted.

10. A measuring device in accord with claim 9, therein characterized, in that upon the overrunning of the end detent (7) a slip clutch (8) is activated, in order to prevent damage.

11. A measuring device in accord with claim 7, therein characterized, in that the distance of movement of the lifting device (4) can be read from a calibrated scale (5) on a dial (6).

12. A measuring device in accord with claim 7, therein characterized, in that the motion of the lifting device (4) can be effected by manual, auxiliary or foreign force.